

Table I.

PATENT

Dkt. No. 03604.0032.00US01

COMPONENT I
INGREDIENT

		Preferred Amount	Range
		(grams/liter)	(grams/liter)
Nitrogen	Amino Nitrogen	0.525	0.26-0.59
Amino Acids	alanine	0.2525	0.1-0.3
	arginine	0.25	0.1-0.3
	aspartic Acid	0.585	0.4-0.7
	glutamic Acid	1.5025	1.0-1.6
	glycine	0.145	0.116-0.17
	histidine	0.145	0.116-0.17
	isoleucine	0.505	0.24-0.37
	cystine	0.01185	0.01-0.015
	leucine	0.505	0.4-0.6
	lysine	0.465	0.37-0.56
	methionine	0.1575	0.13-0.19
	phenylalanine	0.25	0.2-0.3
	proline	0.52	0.4-0.6
	serine	0.22	0.18-0.26
	threonine	0.235	0.19-0.23
	tryptophan	0.06	0.043-0.072
	tyrosine	0.1475	0.12-0.18
	valine	0.365	0.29-0.44
Elements	calcium	0.003	0.001-0.02
	chloride	trace	
	cobalt	trace	
	Iron	trace	
	lead	trace	
	manganese	trace	
	phosphorus	0.0005	0.0001-0.01
	potassium	0.0004	0.0001-0.01
	sodium	0.05	0.03-0.06
Vitamins	biotin	0.00027	0.00022-0.000324
	pantothenic acid	0.05515	0.044-0.066
	folic acid	0.00702	0.006-0.008
	inositol	0.002025	0.001-0.003
	niacin	0.0189	0.015-0.023
	p-aminobenzoic acid	0.0002	0.0001-0.0003
	pyridoxine hydrochloride	0.0115	0.009-0.014
	riboflavin	0.0142	0.011-0.017
	thiamine hydrochloride	0.01965	0.016-0.024

* Trace = less than 0.001 g/liter

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COMPONENT II
INGREDIENT

<u>Ingredients</u>	<u>Range Preferred amount (g/liter)</u>
(N-[2-Hydroxyethyl]piperazine-N'-(2-ethanesulfonic acid)-free acid	4.032-4.0928
(N-[2-Hydroxyethyl]piperazine-N'-(2-ethanesulfonic acid)-sodium salt	7.301-8.933
Modified yeast nitrogen base	4.635-5.665
Sodium bicarbonate	1.3-2.2
Potassium phosphate, monobasic	0.1-1.0
Nutrient Indicators	
o-Nitrophenyl- β -D-glucopyranoside	0.05-0.2
L-pyroglutamic acid β -naphthylamide	0.05-0.2
Antibiotics	
Vancomycin hydrochloride	0.015-0.025
Clindamycin	0.002-0.010
Amikacin sulfate	0.005-0.015
Cefotaxime	0.0005-0.005
Polymyxin B	0.001-0.010
Bacitracin	0.0005-0.0007
Amphotericin B	0.001-0.003

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Table II. Estimate Detection Limit on Vancomycin-Resistant Enterococci Specific Medium

Vancomycin-resistant enterococci strains	MIC* ($\mu\text{g/ml}$)	Detection Limit (cells/ml)		
		16 hours	18 hours	24 hours
<i>Enterococcus faecium</i> VRE02	>256	480	480	0.048
<i>Enterococcus faecium</i> VRE03	>256	5,600	560	0.56
<i>Enterococcus faecium</i> VRE04	>256	1,000	100	0.1
<i>Enterococcus faecium</i> VRE05	>256	9,800	980	9.8
<i>Enterococcus faecium</i> VRE06	>256	1,000	100	10
<i>Enterococcus faecium</i> VRE07	>256	10,000	1,000	10

*MIC refers to the minimum inhibitory concentration for vancomycin

Table III. Selectivity of Vancomycin-Resistant Enterococci Specific Medium Against Non-Target Bacteria

Strains	Comments	Cell Numbers Suppressed	
		24 hours at 35°C	
<i>Escherichia coli</i> ATCC 25922	gram negative bacteria	>10 ⁸	
<i>Klebsiella pneumoniae</i> ATCC 31488	gram negative bacteria	>10 ⁸	
<i>Enterobacter cloacae</i> ATCC 13047	gram negative bacteria	>10 ⁸	
<i>Citrobacter freundii</i> ATCC 8010	gram negative bacteria	>10 ⁸	
<i>Serratia marcescens</i> ATCC 43862	gram negative bacteria	>10 ⁸	
<i>Pseudomonas aeruginosa</i> ATCC 16145	gram negative bacteria	>10 ⁸	
<i>Enterococcus faecalis</i> ATCC 29212	vancomycin sensitive	>10 ⁷	
<i>Enterococcus faecium</i> ATCC 19434	vancomycin sensitive	>10 ⁷	

*MIC refers to the minimum inhibitory concentration for vancomycin

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